Amendment to Abstraction

This abstraction will replace all prior versions of the abstraction in the application:

<u>Abstraction</u>

~~The multiple simultaneous concurrent tasks support on web-based console provides a way to let CCDSVM to be operated like a single machine. To achieve multi-tasks support on a web-console for CCDSVM, the control management station includes console supporting software modules and the web server software. The console host includes web-browser, and the system unit includes service software modules. In addition, console supporting software needs to obtain associated conventional or non-conventional locks for each task and properly release these acquired locks one at a time in the order during each tasks executing up to the point when the tasks are finished. The implementation of Web-console support of CCDSVM actually creates a unified computer user work environment allowing a user to access and to operate their computer systems through a web-browser either locally or remotely anywhere on the net.~~

Supporting multiple users concurrent login and providing each user to be able to perform multiple concurrent tasks in his/her computer work environment are very critical to modern computer user working environment, which is running on top of modern operating system, due to it greatly improved machine efficiency and user's productivities. Therefore, supporting multiple users concurrent login CCDSVM through each user's web-browser and providing each user to be able to perform multiple concurrent tasks in his/her login web-browser over resources of CCDSVM will qualify the conventional web-browser to be a new means of a computer user working environment at the Internet era.

To support multiple users' concurrent login and to be able to perform multiple concurrent tasks for system like CCDSVM, the control system must include software such as console supporting software modules and the web server software modules. The console host need to include web-browser, and the system unit need to include service software modules if CCDSVM has one or multiple system units.

The mentioned software modules on systems of CCDSVM require to work and communicate together to collect all resource information of systems in CCDSVM, and to convert

& display collected resource information in each user's web-browser. After each user select the resource, initiating and submitting the tasks from web-browser, the software of CCDSVM needs to store each task information into a user space task list one at a time and further to distribute each task to the target system for executing.   In addition, software of CCDSVM needs to obtain associated conventional or non-conventional locks for each task and properly release these acquired locks one at a time in the order during each tasks executing up to the point when the tasks are finished.